

Title (en)  
Image forming apparatus

Title (de)  
Bilderzeugungsvorrichtung

Title (fr)  
Appareil de formation d'images

Publication  
**EP 2518570 A3 20131127 (EN)**

Application  
**EP 12165385 A 20120424**

Priority  
JP 2011102253 A 20110428

Abstract (en)  
[origin: EP2518570A2] An image forming apparatus (100) includes a latent image bearer (18K), a development device (19K) removably installable in an apparatus body in an installation direction (Z), the development device (19K), a cooling device (30) including a heat receiver (32K) containing coolant to cool the development device (19K), a pressing means (142) to press the heat receiver (32K) of the cooling device (19K) against the development device (19K), an engaging and disengaging unit (40) for engaging and disengaging the heat receiver (32K) from the development device (19) by moving the heat receiver (32K) in the installation direction (Z), and a shifting means (191K,41fK) that contacts the development device (19K) and moves the heat receiver (32K) together with the development device (19K) in the installation direction (Z) when the development device (19K) is installed in the apparatus body.

IPC 8 full level  
**G03G 15/08** (2006.01); **G03G 21/20** (2006.01)

CPC (source: EP)  
**G03G 15/0189** (2013.01); **G03G 15/0896** (2013.01); **G03G 21/20** (2013.01); **G03G 21/206** (2013.01); **G03G 2215/0129** (2013.01)

Citation (search report)  
• [X] US 2010183323 A1 20100722 - FUJIYA HIROMITSU [JP], et al  
• [X] JP 2005164927 A 20050623 - CANON KK

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2518570 A2 20121031; EP 2518570 A3 20131127; EP 2518570 B1 20180530; JP 2012234034 A 20121129; JP 5757408 B2 20150729**

DOCDB simple family (application)  
**EP 12165385 A 20120424; JP 2011102253 A 20110428**